

Special Issue

Endocrine Control of Fish Metabolism

Message from the Guest Editors

Fish are ectothermic animals whose metabolisms must face multiple challenges. Furthermore, because the whole genome duplications occur at different points of the teleosts' evolution, several components of the endocrine and molecular networks have been expanded, therefore increasing the complexity of the systems. This Special Issue aims to gather original research and reviews that unravel different aspects of the multiple endocrine systems controlling fish metabolism, including, but not limited to, hypothalamus–pituitary axis, pancreatic hormones and insulin-growth factors, corticosteroids, sex steroids, adrenergic and thyroid hormones. Studies from a molecular perspective are welcome, such as those regarding characterization or phylogenetic analysis of hormones, receptors, signaling pathways, with special (but not exclusive) interest on integrative omics approaches, always within the framework of the endocrine regulation of fish energy metabolism. Applied topics in relation to aquaculture, biomedicine or metabolic diseases, toxicology and biotechnology will also be considered for publication in this issue.

Guest Editors

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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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